



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

SANDERS, John L. et al

Serial No. : 10/708,653

Filed: 3/17/04

ANIONIC POLYMERS COMPOSED OF
DICARBOXYLIC ACIDS AND USES
THEREOF

Docket No. 30621-DIV1-CIP1

Group Art Unit No: 1713

Examiner:

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

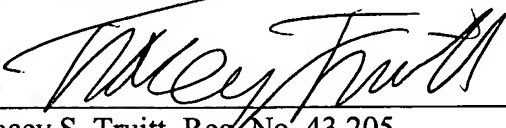
TRANSMITTAL

Transmitted herewith are: Express Mail Transmittal (1 pg); Information Disclosure Statement (1 pg.); References Cited (3 pgs.) and return post card (1 pg.)

EL 973754063 US

Respectfully submitted,

Date: September 28, 2004

By 
Tracey S. Truitt, Reg. No. 43,205
HOVEY WILLIAMS, LLP
2405 Grand Boulevard, Suite 400
Kansas City, Missouri 64108
816/474-9050

ATTORNEYS FOR APPLICANT(S)



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

SANDERS, John L. et al

Serial No. : 10/708,653

Filed: 03/17/04

ANIONIC POLYMERS COMPOSED OF
DICARBOXYLIC ACIDS AND USES
THEREOF

Docket No. 30621-DIV1-CIP1

Group Art Unit No. 1713

Examiner:

Commissioner of Patents
Alexandria, VA 22313-1450

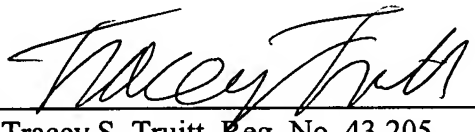
Sir:

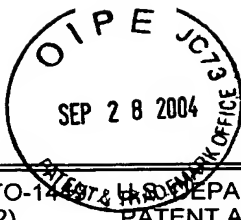
INFORMATION DISCLOSURE STATEMENT

The attached references are being filed to fulfill the duty of candor and good faith toward the
Patent and Trademark Office, as required by 37 C.F.R. §1.56.

Respectfully submitted,

HOVEY WILLIAMS LLP

By 
Tracey S. Truitt, Reg. No. 43,205
2405 Grand Boulevard, Suite 400
Kansas City, Missouri 64108
(816) 474-9050



FORM PTO-1469 (Rev. 2-32) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ◆30621-DIV1-CIP1	SERIAL NO. ◆10/708,653	
	APPLICANT: ◆SANDERS, John L. et al.			
	FILING DATE: ◆03/17/04	GROUP: ◆ 1713	CONF. NO: ◆	

U.S. PATENT DOCUMENTS

EXAM. INITIAL	DOCUMENT NUMBER	INVENTOR NAME	CLASS	SUB- CLASS	ISSUE DATE (PATENT); PUBLICATION DATE (PUBLISHED APPLICATION); OR FILING DATE (NON-PUBLISHED APPLICATION)
	3 2 6 8 4 9 1	Hattori et al			8/23/66
	5 2 6 4 5 1 0	Swift et al			11/23/93
	5 1 9 1 0 4 8	Swift et al			3/2/93
	3 8 8 7 4 8 0	Rue et al			6/3/75
	5 8 5 4 1 7 7	Koskan et al			12/29/98
	4 5 7 5 3 9 1	DeBoodt et al			3/11/86
	3 9 7 7 0 5 4	Niemeijer et al			2/12/63
	2 8 1 6 0 8 3	Shearer			12/10/87
	2 7 1 6 0 9 4	Morrill			8/23/55
	2 6 5 2 3 8 0	Hedrick et al			9/15/53
	2 6 5 2 3 7 9	Hedrick et al			9/15/53
	2 6 5 1 8 8 6	Mowry et al			1/13/53

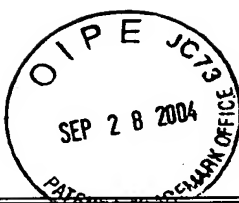
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Publisher, Author, Title,
Relevant Pages, and Date and Place of Publication)**

		Translation - Ushakov et al.; Maleic Anhydride-Vinyl Acetate Copolymerization and Hydrolysis; Russian J. App. Chem., Vol. 24, Issue 5, pp. 485-489 (1951)(*Unable to locate copy of article)
		Mortvedt et al.; Fertilizer Technology and Application; Chapter 3, Phosphorus fertilizers, pp. 33-44 (*Unable to locate copy of article)
		Patent Abstracts of Japan, Publication #2001-089283; 3/04/01, pages 1-4 (*Unable to locate copy of article)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. ◆30621-DIV1-CIP1	SERIAL NO. ◆10/708,653
	APPLICANT: ◆SANDERS, John L. et al.	
	FILING DATE: ◆03/17/04	GROUP: ◆ 1713

U.S. PATENT DOCUMENTS

COPIED DOCUMENT

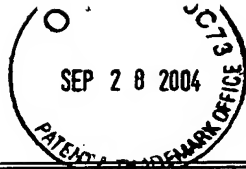
EXAM. INITIAL		DOCUMENT NUMBER							INVENTOR NAME	CLASS	SUB- CLASS	ISSUE DATE (PATENT); PUBLICATION DATE (PUBLISHED APPLICATION); OR FILING DATE (NON-PUBLISHED APPLICATION)
		2	5	5	5	0	4	5	Lyne			5/29/51
		2	8	2	5	4	7	1	Mowry et al.			1/13/53
		4	0	4	4	1	9	6	Huper et al.			08/23/77
		4	5	5	9	1	5	9	Denzinger et al.			12/17/85
		5	6	5	6	6	4	5	Perner et al.			8/27/77
		6	0	3	3	4	4	2	Denzinger et al.			3/7/00
		6	5	1	5	6	9	0	Sander et al			2/2003
		5	1	6	8	6	5	4	Manalastas et al.			2/23/93
		5	6	3	0	8	6	1	Yaniv			5/20/97
		6	1	8	7	0	7	4	von Locquenghien et al.			2/13/01
		8	2	6	7	3	5	9	Erhardt, Klaus			9/11/02
		5	5	6	3	2	3	8	Bonsignore, Patrick			10/8/96

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								PUBLICATION DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
														YES	NO

OTHER DOCUMENTS (Including Publisher, Author, Title, Relevant Pages, and Date and Place of Publication)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. ◆30621-DIV1-CIP1	SERIAL NO. ◆10/708,653	
	APPLICANT: ◆SANDERS, John L. et al.		
	FILING DATE: ◆03/17/04	GROUP: ◆ 1713	CONF. NO: ◆

U.S. PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER							INVENTOR NAME	CLASS	SUB- CLASS	ISSUE DATE (PATENT); PUBLICATION DATE (PUBLISHED APPLICATION); OR FILING DATE (NON-PUBLISHED APPLICATION)
		5	4	7	2	4	7	6	Schapira, Joseph			12/5/95
		6	3	2	9	3	1	9	Puglisi, Christine			12/11/01
		4	9	1	4	1	7	2	Sulmann-Eggebert, Hans-Peter			4/30/90
		4	7	2	9	1	9	6	Lee, Ping I			3/8/88
		6	3	0	9	4	3	9	von Locquenghien, Klaus Horchler			10/30/01
		3	2	2	5	9	0	9	D'Alelio, Gaetano			12/21/65
		3	4	5	5	4	7	3	Hull, Ezekiel H and Leach, James H			9/25/62
		5	2	2	3	5	9	2	Hughes, Kathleen			6/29/93

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
													YES	NO

**OTHER DOCUMENTS (Including Publisher, Author, Title,
Relevant Pages, and Date and Place of Publication)**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.